NAVAL SEA SYSTEMS COMMAND

STANDARD Missile

NAVSEA DAHLGREN Surface Warfare Center Division

STANDARD MISSILE

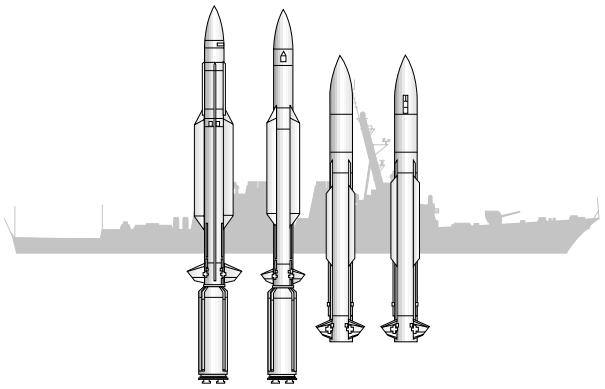
NAVAL SURFACE WARFARE CENTER

DAHLGREN PANAMA CITY DAM NECK

DAHLGREN DIVISION

STANDARD Missile (SM)

SM is the Navy's premier surface-to-air antiair warfare (AAW) missile. Since the 1960s, the surface Navy has depended upon SM to defend the Fleet against threats ranging from seaskimming low-flyers to manned aircraft to high-altitude antiship cruise missiles. SM is now being upgraded to include theater ballistic missile defense (TBMD), overland cruise missile defense, and land-attack and strike capabilities.



Lead Laboratory

NSWCDD, appointed SM Lead Laboratory in 1986 by Commander, Naval Sea Systems Command (COMNAVSEASYSCOM), serves to ensure that missile designs meet operational requirements, requirements are consistently allocated, and SM performance is certified in several key areas.

Endgame Effectiveness

NSWCDD is the Principal for Target Vulnerability and Endgame Effectiveness, leads the national team to establish and verify missile endgame effectiveness, is responsible for the generation and validation of target vulnerability models, and is the SM principal for conducting live fire test and evaluation (LFT&E).

Warhead Design

Through a closely tied endgame effectiveness interaction, NSWCDD leads the design, development, and qualification of warheads as the surface Navy's warhead center and is the SM Technical Direction Agent (TDA) and Design Agent (DA).

Telemetry

As TDA, NSWCDD ensures that SM telemetry systems provide flight test data critical to missile performance assessment. As DA, NSWCDD leads the design and development of portable receiving equipment.

Electromagnetic Environmental Effects (E3)/Hazards of Electromagnetic Radiation to Ordnance (HERO)

NSWCDD is the Principal for E3 and the certification authority for SM E3 requirements of electromagnetic vulnerability (EMV), electromagnetic compatibility (EMC), electromagnetic interference (EMI), and HERO.

Systems Safety

NSWCDD is the surface Navy's Principal for Systems Safety and the SM certification authority for technical and operational use via the Weapon System Explosive Safety Review Board (WSESRB).

Infrared (IR) Seeker Assessment

NSWCDD provides a unique portable and transportable IR data collection suite that collects calibrated clutter and background data. This data is utilized in our Targets for Optically Activated Seekers and Trackers test equipment to assess missile IR seeker performance.

Nuclear Hardening

NSWCDD is the SM Principal for Nuclear Hardening and provides certification to ensure missile designs meet the nuclear hardening requirements of dose rate, electromagnetic pulse (EMP), gamma dose, and X rays.

Systems Engineering

NSWCDD has earned a strong reputation for providing the full spectrum of systems engineering analysis to the SM program including analysis and definition of requirements, requirements traceability and certification, costs and schedule analysis, missile system integration with the Vertical Launcher System and the AEGIS Weapon System, and timely analysis and resolution of technical design issues.

NAVSEA
DAHLGREN
Surface Warfare Center Division

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For additional information, please contact:
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We are looking for scientists and engineers in different fields.
For employment opportunities, please send your resume to:
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Human Resources Department, Code PD
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